

Abstract of the Disclosure

An optical code reader for reading optical codes in any orientation with a preferred depth of field (DOF), the optical code reader including imaging sensor arrays arranged at angles to one another and tilted in accordance with the Scheimpflug principle to allow for omni-directional reading and a preferred DOF. In addition, an optical code reader may also include an optical device to rotate an image as it is projected upon a stationary tilted image sensor array. Still further, an optical code reader may include a rotating imaging sensor array tilted in accordance with the Scheimpflug principle to allow for omni-directional reading with a preferred DOF.